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PD - 2000-11-24

PR - JP19990132978 19990513

OPD - 1999-05-13

TI - METHOD AND DEVICE FOR CURSOR POSITION GUIDANCE ON SCREEN OF ELECTRONIC DISPLAY DEVICE

IN - ICHISE HIROSHI

PA - TOYO COMMUNICATION EQUIP

IC - G06F3/00 ; G06F3/00 ; G06F3/033

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TI - Cursor position warning procedure for use with personal computer, involves generating audible sounds with frequency proportional to deviation of cursor from the origin

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PA - (TOCM) TOYO COMMUNICATION EQUIP CO

IC - G06F3/00 ;G06F3/033

AB - JP2000322168 NOVELTY - Cursor position on screen of computer is expressed with X and Y coordinates, and is alerted by the generation of audible sound. The audible sound is generated with a frequency proportional to the deviation of the cursor from the origin of X and Y coordinates.

- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for cursor position warning apparatus.

- USE - For warning about cursor position on screen of personal computer.

- ADVANTAGE - Operation efficiency of the computer is improved when it is used with a device such as mouse.

- DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the cursor position warning apparatus.

- (Dwg.1/8)

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IN   - ICHISE HIROSHI

PA   - TOYO COMMUN EQUIP CO LTD

TI   - METHOD AND DEVICE FOR CURSOR POSITION GUIDANCE ON SCREEN OF ELECTRONIC DISPLAY DEVICE

AB   - PROBLEM TO BE SOLVED: To obtain a method for cursor position guidance on an electronic display device screen which makes it easy to confirm a cursor position by representing the cursor position as X and Y coordinates and generating and outputting an audible tone corresponding to the extent of deviation from X and Y reference points.

    - SOLUTION: A control part106 generates a frequency control signal X and a frequency control signal Y corresponding to the respective X coordinate and Y coordinate of a position according to a cursor position coordinate signal corresponding to the position inputted from a computer main body102. A variable frequency oscillator 107a generates an X audible signal corresponding to the frequency signal X and a variable frequency oscillator107b generates a Y audible signal corresponding to the frequency control signal Y. The X audible signal and Y audible signal are synthesized by an adder 108, amplified by an amplifier109, and then outputted as an audible sound from a speaker110. With the audible sound from the speaker 110, the position of the cursor on the screen of a CRT103 can easily be found.

I   - G06F3/00 ;G06F3/033